Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/30/2018 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125377	0	1.57	125215	1.53
Blue	F	SSC	125000	123557	-2	3.80	124097	3.53
Blue	E	FITC	23158	22381	-4	2.75	1042	11.08
Blue	D	PE	31171	30503	-3	2.31	1159	10.51
Blue	B	PerCP-Cy5-5	59762	57998	-3	4.28	1460	18.12
Blue	A	PE-Cy7	57533	56668	-2	6.67	734	38.64
Red	C	APC	69353	68798	-1	2.65	3476	9.31
Red	A	APC-Cy7	66644	65994	-1	3.58	1174	11.28
Violet	B	V450	16327	15704	-4	3.70	852	9.44
Violet	A	V500	62036	60719	-3	3.32	2860	6.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22422	2.95	612	-4	N/A	N/A	Pass
Blue	F	SSC	56796	1.25	560	2	N/A	N/A	Pass
Blue	E	FITC	116	43.39	553	-2	0.0192	254	Pass
Blue	D	PE	195	38.68	556	-1	0.1363	230	Pass
Blue	B	PerCP-Cy5-5	235	48.23	646	-3	0.0086	91	Pass
Blue	A	PE-Cy7	128	101.01	706	-3	0.0106	27	Pass
Red	C	APC	501	24.59	606	-4	0.0185	5	Pass
Red	A	APC-Cy7	249	27.22	580	-7	0.0043	927	Pass
Violet	B	V450	106	44.73	489	-3	0.0393	2202	Pass
Violet	A	V500	253	22.56	509	-2	0.0119	685	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/30/2018 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-30.96	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.75	13.60 - 20.40	N/A	N/A	30.88	31.38	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11799

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments